	Application No.	Applicant(s)
Notice of Allowability	10/683,798	OLSEN, JOHN H.
	Examiner	**Art Unit**	
	Jayprakash N Gandhi	2125	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/10/03*.

2. ☒ The allowed claim(s) is/are *24-25, 1-8, 16, 9-23 (Renumbered 1-25)*.

3. ☒ The drawings filed on *10 October 2003* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
         1. ☐ Certified copies of the priority documents have been received.
         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
         1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
         Paper No./Mail Date _____.
     Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date *10/10/03 & 5/17/04*
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claims 22 and 23, line 1, change "claim21" to --claim 21--.

Allowable Subject Matter

2.   Claims 1-25 have been allowed.

3.   The following is an examiner's statement of reasons for allowance:

As to claims 24 and 25 (Renumbered 1 and 2), patentability resides, at least in

part, in the combination of: A fluid-jet cutting system, including a tiltable fluid-jet cutting

head responding to a tilt parameter, a computer, computer-executable instruction for

automatically controlling a tilt of the cutting head, segmenting the overall geometry into

small straight lines of equal length, receiving a speed for each of the small straight lines,

wherein at least two lines are associated with different speed, automatically determining

a tilt parameter for each line in accordance with the speed, automatically controlling the

motion of the cutting head in accordance with determined tilt parameter to cut the

material to produce the target piece, in further combination with the other limitations of

the claims.

As to claims 1-19 (Renumbered 3-21), patentability resides, in a method using a computer for a fluid-jet cutting system.

As to claims 20-23 (Renumbered 22-25), patentability resides, in a computer-readable medium of a method for a fluid-jet cutting system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shepherd discloses related art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jayprakash N Gandhi whose telephone number is 571-272-3740. The examiner can normally be reached on 6:30-5:00 (Mon. - Thu.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo P Picard can be reached on 571-272-3749. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Jayprakash N Gandhi
Primary Examiner
Art Unit 2125

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